Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
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L2	1	(image$1 same refetch$3) & (client same server)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 11:29
L3	65	(image$1 same Prefetch$3) & (client same server)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 11:37
L4	47	3 & (download$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 11:31
L5	0	4 & BLOB	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 11:29
L6	1	3 & BLOB	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 11:30
L7	0	(data same stream$3 same Prefetch$3) & (group same idetifier)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 11:38
L8	0	(data same stream$3) & (group same idetifier)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 11:39
L9	0	(data same stream$3) & (idetifier)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 11:38

L10	164560	(data same stream$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 11:38
L11	0	10 & (group same idetifier)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 12:03
L12	6600	10 & indexing	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 11:39
L13	0	12 & (blob same idetifier)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 11:39
L14	284	12 & blob	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 11:40
L15	0	14 & (download$3 same chunk)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 15:02
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L17	250	(clients same server) & (download$3 same bulk)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 11:43
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L19	2	18 & blob	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 11:52

L20	0	17 & (online same album)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 11:52
L21	317	(online same album)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 11:45
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L28	0	(download$3 same album) & (download$3 same blob)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 11:52
L29	673	(download$3 same album)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 11:52

L30	77	29 & (online same album)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 11:52
L31	0	30 & blob	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 11:52
L32	42	30 & (album same (id name idenfier))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 12:30
L33	0	10 & (album same idetifier)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 12:04
L34	154	10 & (album same id)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 12:04
L35	18	32 & (album same id)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 12:15
L36	55	(blob same id) & (image same id) & (image same (path location pointer))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 12:40
L37	0	(images same download$3) & "one to many"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 12:29
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L43	0	(images same download$3) & (one same to same many)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 12:28
L44	0	downloading & "one to many"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 12:29
L45	0	downloading & "many to many"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 12:29
L46	0	"many to many"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 12:29
L47	1849	"many-to-many"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 12:29
L48	51	(images same download$3) & "many-to-many"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 12:39
L49	0	48 & (album same (id name idenfier))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 12:30

L50	18	48 & (images same (id name idenfier))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 12:39
L51	261	(dynamic same server same pages) & (identifiers same images)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 12:52
L52	68	51 & (images same download$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 12:39
L53	51	52 & (images same (id name idenfier))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 12:50
L54	0	53 & (blob same id)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 12:40
L55	2	53 & blob	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 12:45
L56	0	53 & prefetch$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 12:45
L57	0	53 & pre-fetch$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 12:45
L58	7	51 & blob	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 12:50
L59	4736	downloading & (images same (id name idenfier))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 13:00

L60	7	58 & blob	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 12:51
L61	79	59 & blob	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 12:58
L62	2	51 & 61	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 12:52
L63	20	61 & (dynamic same server same pages)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 12:53
L64	840	downloading & (complet$3 same media same file)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 12:58
L65	11	64 & blob	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 12:58
L66	182	64 & (images same (id name idenfier))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 13:01
L67	168	66 & (image same file)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 13:01
L68	0	66 & (dowloadind same whole same image same file)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 13:02
L69	0	64 & (dowloadind same whole same image same file)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 14:17

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L71	0	"socrates xml"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 13:52
L72	222	socrates	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 13:52
L73	3	72 & xml	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 13:54
L74	38	66 & xml	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 14:17
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L85	8	42 & (downloading same whole same image same file)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 14:24
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L88	0	(retreiving downloading) & ((completed same pakage) same data same stream)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 14:27
L89	0	(retreiving downloading loading) & ((completed same pakage) same data same stream)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 14:28

L90	143	(data same streaming) same "image file"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 14:29
L91	3	(data same streaming) near2 "image file"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 14:30
L92	6	(data same streaming) near3 "image file"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 14:33
L93	143	(data same streaming) same "image file"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 15:05
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L97	1006	img same src	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 15:05
L98	833	img near2 src	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 15:05
L99	0	98 & ((data same streaming) same "image file")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 15:05

L100	788	98 & html	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 15:05
L101	2	100 & (online same album)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 15:36
L102	60	markup same element same parameter same attributes	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 15:36
L103	6	102 & asp	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 15:49
L104	39	102 & images	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 15:41
L105	14	102 &(cgi "common interface gateway")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 15:59
L106	13	105 & client	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 15:44
L107	13	106 & html	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 15:44
L108	4	106 & (html same element same parameter)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 15:48
L109	3	108 & image	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 15:48

L110	6	102 & (group same identifier)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 15:56
L111	873	snap same fish	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 15:56
L112	1	snapfish	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 15:57
L113	18	otto same photo	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 15:58
L114	194	photo near2 online	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 16:04
L115	7	114 &(cgi "common interface gateway")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 16:00
L116	0	114 & (render$3 same (cgi "common interface gateway"))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 16:04
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L118	0	115 & (render$3 same album)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 16:01
L119	10	render$4 same (photo near2 online)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 16:02

L120	4	((photo near2 album) same online) & (cgi "common interface gateway")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 16:05

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1 Features: Gaming Graphics: The Road to Revolution   █
Nick Porcino
April 2004 **Queue**, Volume 2 Issue 2
Publisher: ACM Press
Full text available: pdf(3.92 MB)   Additional Information: full citation, index terms
                  html(32.04 KB)

2 Adaptive interfacing with reconfigurable computers   ▩
Neil W. Bergmann, Anwar S. Dawood
January 2001 **Australian Computer Science Communications , Proceedings of the 6th**
            Australasian conference on Computer systems architecture ACSAC '01,
            Volume 23 Issue 4
Publisher: IEEE Computer Society , IEEE Computer Society Press
Full text available: pdf(792.71 KB)
                                    Additional Information: full citation, abstract, references
                  Publisher Site

A reconfigurable computer consists of reconfigurable logic circuits added to a conventional
processor to give a computer where both the hardware and the software can be
programmed on an application by application basis. Despite significant research,
reconfigurable computers have failed to gain widespread acceptance as a high-speed
computing replacement for conventional supercomputers. This paper describes the
reasons for this failure and argues that the domain of real-time, reactive computer sys ...

3 Design and implementation of a concurrent image processing workstation based on   ▦
the Mark III hypercube
S. L. Groom, M. Lee, A. S. Mazer, W. I. Williams
January 1989 **Proceedings of the third conference on Hypercube concurrent**
            computers and applications - Volume 2
Publisher: ACM Press
Full text available: pdf(218.60 KB)   Additional Information: full citation, citings, index terms

4 Embedded web papers: Need for non-visual feedback with long response times in   ▱
mobile HCI
Virpi Roto, Antti Oulasvirta
May 2005 **Special interest tracks and posters of the 14th international conference on**
         World Wide Web

Publisher: ACM Press

Full text available: pdf(553.39 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

> When browsing Web pages with a mobile device, the system response times are variable and much longer than on a PC. Users must repeatedly glance at the display to see when the page finally arrives, although mobility demands a Minimal Attention User Interface. We conducted a user study with 27 participants to discover the point at which visual feedback stops reaching the user in mobile context. In the study, we examined the deployment of attention during page loading to the phone vs. the environme ...

> **Keywords:** attention, mobile web, mobility, multimodal feedback, usability

5 <u>"Last-mile" bandwidth recap and committee survey activity</u>

Bob Ellis, Myles Losch, David Nelson, Laurie Reinhart
May 1999 **ACM SIGGRAPH Computer Graphics**, Volume 33 Issue 2

Publisher: ACM Press

Full text available: pdf(809.27 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>index terms</u>

> For people interested in graphics and graphical user interfaces, the greatest shortcoming of the Internet is bandwidth, particularly lines to consumer premises. Although most computing professionals have access to high bandwidth connections, most consumers do not. Consumer access to computing and the Internet is probably the most significant development in computing since 1980. This market now drives computing, and hence computer graphics, so it behooves all of us to understand the "last-mile" i ...

6 <u>A parallel hierarchical radiosity algorithm for complex scenes</u>

Chen-Chin Feng, Shi-Nine Yang
October 1997 **Proceedings of the IEEE symposium on Parallel rendering**

Publisher: ACM Press

Full text available: pdf(993.08 KB)   Additional Information: <u>full citation</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

7 <u>Hardware-Based Nonlinear Filtering and Segmentation using High-Level Shading Languages</u>

Ivan Viola, Armin Kanitsar, Meister Eduard Groller
October 2003 **Proceedings of the 14th IEEE Visualization 2003 (VIS'03) VIS '03**

Publisher: IEEE Computer Society

Full text available: pdf(11.33 MB)   Additional Information: <u>full citation</u>, <u>abstract</u>

> Non-linear filtering is an important task for volume analysis.This paper presents hardware-based implementations of various non-linear filters for volume smoothing with edge preservation.TheCg high-level shading language is used in combination with latest PC consumer graphics hardware.Filtering is divided into pervertex and per-fragment stages.In both stages we propose techniques to increase the filtering performance.The vertex program pre-computes texture coordinates in order to address all con ...

> **Keywords:** Non-linear Filtering, Segmentation, Hardware Acceleration

8 <u>Concurrency and parallelism—future of computing</u>

M. Andrews, J. S. Walicki
October 1985 **Proceedings of the 1985 ACM annual conference on The range of computing : mid-80's perspective: mid-80's perspective**

Publisher: ACM Press

Full text available: pdf(778.12 KB)   Additional Information: <u>full citation</u>, <u>references</u>, <u>index terms</u>

9 Ambient functionality: "UBWALL", ubiquitous wall changes an ordinary wall into the smart ambience

Minoru Sekiguchi, Hirohisa Naito, Akinobu Ueda, Toru Ozaki, Masao Yamasawa

October 2005 **Proceedings of the 2005 joint conference on Smart objects and ambient intelligence: innovative context-aware services: usages and technologies sOc-EUSAI '05**

Publisher: ACM Press

Full text available: pdf(145.01 KB)   Additional Information: full citation, abstract, references

This paper describes how smart ambience improves information services. For information services in a public space, UBWALL is developed named after "ubiquitous wall", which has a large display and eight-series of built-in RFID reader/writer so that people can get individual information appropriately by using IC cards (RFID cards) or mobile terminals. UBWALL is usually installed in a public space for the purpose of advertisements or directory services, where people can see both the public and pers ...

10 Politics as usual

Dennis Fowler

March 2001 **netWorker**, Volume 5 Issue 1

Publisher: ACM Press

Full text available: pdf(1.19 MB)   Additional Information: full citation, index terms
html(21.70 KB)

11 Highly Scalable Dynamically Reconfigurable Systolic Ring-Architecture for DSP Applications

G. Sassatelli, L. Torres, P. Benoit, T. Gil, C. Diou, G. Cambon, J. Galy

March 2002 **Proceedings of the conference on Design, automation and test in Europe**

Publisher: IEEE Computer Society

Full text available: pdf(2.02 MB)   Additional Information: full citation, abstract, citings
Publisher Site

Microprocessors are today getting more and moreinefficient for a growing range of applications. Itsprinciples -The Von Neumann paradigm[3]- based on thesequential execution of algorithms will no longer be ableto cope with the kind of highly computing intensiveapplications of multimedia world.Nowadays approaches to deal with these limitationsconsist in the following:- The first, and most natural way to increase thecomputing power is obviously to decrease the cycleexecution time, thanks to new sil ...

12 Routing protocols and overlays: Directed flood-routing framework for wireless sensor networks

Miklós Maróti

October 2004 **Proceedings of the 5th ACM/IFIP/USENIX international conference on Middleware**

Publisher: Springer-Verlag New York, Inc.

Full text available: pdf(328.69 KB)   Additional Information: full citation, abstract, references

The directed flood-routing framework (DFRF) for wireless sensor networks is introduced in this paper that allows the modeling and rapid development of application specific routing protocols based on directed flooding. Flood-routing protocols are probabilistic methods that make only the best effort to route data packets. The presented family of protocols can route regular sized data packets via broadcast messages according to customizable, state machine based routing policies that govern the way ...

13 Manufacturing applications: Simulation based design for a shipyard manufacturing process

D. J. Medeiros, Mark Traband, April Tribble, Rebekah Lepro, Kenneth Fast, Daniel Williams

December 2000 **Proceedings of the 32nd conference on Winter simulation**

Publisher: Society for Computer Simulation International

Full text available: pdf(994.39 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>

Discrete event simulation can be used for virtual prototyping of new manufacturing facilities. Models built for this purpose must be easy to use, flexible, and provide a realistic graphical view of the proposed system. The DESTINY project has developed models of plate processing operations to assist shipyards in modernizing their plate fabrication lines. Configuration information for a proposed line is collected via a Web interface, which then launches a program to build and execute a simulation ...

14 <u>From voice-band modems to DSL technologies</u>

September 2001 **International Journal of Network Management**, Volume 11 Issue 5

Publisher: John Wiley & Sons, Inc.

Full text available: pdf(170.80 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>, <u>review</u>

This paper provides an overview of the evolution of digital transmission in the copper access network from voice-band modems to Digital Subscriber Line (DSL) technologies. The various types of DSL technology are described. Copyright © 2001 John Wiley & Sons, Ltd.

15 <u>An evaluation tool for measuring authoring system performance</u>

Carol B. MacKnight, Santosh Balagopalan

October 1989 **Communications of the ACM**, Volume 32 Issue 10

Publisher: ACM Press

Full text available: pdf(645.73 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>, <u>review</u>

A model for producing objective and precise measurements of the power and performance of authoring systems is described. An animation task is given as an example of the model's potential as a tool for evaluating authoring systems along the dimensions of functionality, flexibility, and productivity.

16 <u>Accepted Posters: A zero-input interface for leveraging group experience in web browsing</u>

Taly Sharon, Henry Lieberman, Ted Selker

January 2003 **Proceedings of the 8th international conference on Intelligent user interfaces**

Publisher: ACM Press

Full text available: pdf(255.69 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

The experience of a trusted group of colleagues can help users improve the quality and focus of their browsing and searching activities. How could a system provide such help, when and where the users need it, without disrupting their normal work activities? This paper describes Context-Aware Proxy based System (CAPS), an agent that recommends pages and annotates links to reveal their relative popularity among the users colleagues, matched with their automatically computed interest profiles. A We ...

Keywords: CSCW, collaborative filtering, knowledge management, recommender system, social networks, user interface

17 <u>Designing mobile technologies to support co-present collaboration</u>

Helen Cole, Danaë Stanton

December 2003 **Personal and Ubiquitous Computing**, Volume 7 Issue 6

Publisher: Springer-Verlag

Full text available: pdf(251.03 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>citings</u>, <u>index terms</u>

Mobile technologies offer new opportunities for children's educational activities in that they can be used across different locations and times. Naturally, some instances of mobile

technology use will necessitate, or be enhanced by, the sharing of information. Social interaction is important for sharing ideas, constructing and shaping understanding and fundamental for educational development. However the physical size of mobile technologies presents interesting challenges when designing fo ...

Keywords: Interaction, Learning, Mixed reality, Mobile devices, Usability

18 Facilitating successful online computing courses while minimising extra tutor workload
Stuart Young, Mae McSporran
January 2004 **Proceedings of the sixth conference on Australian computing education - Volume 30 CRPIT '04**
Publisher: Australian Computer Society, Inc.
Full text available: pdf(289.53 KB)   Additional Information: full citation, abstract, references

A key problem in facilitating a successful online course is the highly time-consuming nature of the administrative and pedagogical tasks involved. It is also difficult to achieve a community of learners online, since the lecturer has to overcome the natural reticence of students to post in shared class spaces. In computing courses an additional factor is the tendency of some students to work to deadlines rather than allocating a weekly time for study.This paper suggests constructive methods of e ...

Keywords: Blackboard CourseInfo, Learning Management Environments (LMEs), WebCT, bulletin board, discussion forum, flexible learning, online learning, student motivation

19 Ray tracing vs. scan conversion: SaarCOR: a hardware architecture for ray tracing
Jörg Schmittler, Ingo Wald, Philipp Slusallek
September 2002 **Proceedings of the ACM SIGGRAPH/EUROGRAPHICS conference on Graphics hardware**
Publisher: Eurographics Association
Full text available: pdf(5.23 MB)   Additional Information: full citation, abstract, references, citings, index terms

The ray tracing algorithmis well-known for its ability to generate high-quality images and its flexibility to support advanced rendering and lighting effects. Interactive ray tracing has been shown to work well on clusters of PCs and supercomputers but direct hardware support for ray tracing has been difficult to implement.In this paper, we present a new, scalable, modular, and highly efficient hardware architecture for real-time ray tracing. It achieves high performance with extremely low memor ...

20 Session P2: large data sets: Interactive rendering of large volume data sets
Stefan Guthe, Michael Wand, Julius Gonser, Wolfgang Straßer
October 2002 **Proceedings of the conference on Visualization '02**
Publisher: IEEE Computer Society
Full text available: pdf(3.21 MB)   Additional Information: full citation, abstract, references, citings, index terms

We present a new algorithm for rendering very large volume data sets at interactive framerates on standard PC hardware. The algorithm accepts scalar data sampled on a regular grid as input. The input data is converted into a compressed hierarchical wavelet representation in a preprocessing step. During rendering, the wavelet representation is decompressed on-the-fly and rendered using hardware texture mapping. The level of detail used for rendering is adapted to the local frequency spectrum of t ...

Keywords: compression algorithms, level of detail algorithms, scientific visualization, volume rendering, wavelets

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21 Special report: Report on the EC/NSF workshop on universal accessibility of   ☐
    ubiquitous computing: providing for the elderly
    Judith Brown, Rachelle Heller, Joaquim Jorge, Marilyn Tremaine
    October 2001 **ACM SIGCHI Bulletin - a supplement to *interactions*,** Volume 2001
    Publisher: ACM Press
    Full text available: 📄 pdf(203.40 KB)   Additional Information: full citation

22 Developing a location based tourist guide application   ☐
    Todd Simcock, Stephen Peter Hillenbrand, Bruce H. Thomas
    January 2003 **Proceedings of the Australasian information security workshop
                  conference on ACSW frontiers 2003 - Volume 21 CRPITS '03**
    Publisher: Australian Computer Society, Inc.

    Full text available: 📄 pdf(507.21 KB)   Additional Information: full citation, abstract, references, citings, index terms

    This paper presents the development of the Tourist Guide, a location based tourist guide
    application for the outdoor environment. Our focus for this project is on software support
    for location based applications; we are not just interested in the location but also other
    elements of the user's context, such as buildings in view, attractions and equipment near
    by, such as public telephones and toilets. In this paper we will describe the Tourist Guide
    system and discuss the processes involved in th ...

    Keywords: hand held devices, location based systems, user interfaces

23 Disaster recovery planning for academic computing centers   ☐
    Renate Rohde, Jim Haskett
    June 1990 **Communications of the ACM,** Volume 33 Issue 6
    Publisher: ACM Press

    Full text available: 📄 pdf(691.04 KB)   Additional Information: full citation, abstract, references, index terms, review

    Planning for recovery from a disaster is quickly becoming recognized as a necessity for
    higher education computing installations. This article presents a structural framework,
    describes the stages, and tells how to implement a disaster recovery plan specifically
    geared to an academic computing organization.

    Keywords: backup files, recovery, system management

24 Benchmarking an interdisciplinary concurrent design methodology for electronic/mechanical systems

Asim Smailagic, Daniel P. Siewiorek, Drew Anderson, Chris Kasaback, Tom Martin, John Stivoric

January 1995 **Proceedings of the 32nd ACM/IEEE conference on Design automation**

Publisher: ACM Press

Full text available: pdf(232.57 KB)   Additional Information: full citation, references, citings, index terms

25 A model for developing large shared knowledge bases

Nina Tayar

December 1993 **Proceedings of the second international conference on Information and knowledge management**

Publisher: ACM Press

Full text available: pdf(318.09 KB)   Additional Information: full citation, references, citings, index terms

26 Body noise: subtexts of computers and dance

Thecla Schiphorst

February 1997 **ACM SIGGRAPH Computer Graphics**, Volume 31 Issue 1

Publisher: ACM Press

Full text available: pdf(266.35 KB)   Additional Information: full citation, index terms

27 Coarse grain reconfigurable architecture (embedded tutorial)

Reiner Hartenstein

January 2001 **Proceedings of the 2001 conference on Asia South Pacific design automation**

Publisher: ACM Press

Full text available: pdf(167.05 KB)   Additional Information: full citation, abstract, references, citings, index terms

The paper gives a brief survey over a decade of R&D on coarse grain reconfigurable hardware and related compilation techniques and points out its significance to the emerging discipline of reconfigurable computing.

28 Developing 3-d animated applications prototypes in the classroom

Alexandre Passos, Richard Simpson

April 2002 **Journal of Computing Sciences in Colleges**, Volume 17 Issue 5

Publisher: Consortium for Computing Sciences in Colleges

Full text available: pdf(46.11 KB)   Additional Information: full citation, abstract, references, index terms

Simulated environments, such as those found in training centers, computer games, movies, advertisement and defense applications, require software companies to face two important challenges in today's economy: creating a good prototype as showcase for the end-user and meeting "time to market" deadlines. Graphics libraries and development environments provide to the application programmer the necessary interfaces used in the construction of graphics, animations, simulations and games. The true val ...

29 TSAR: A large-scale simulation for assessing force generation and logistics support in a combat environment

Donald E. Emerson

January 1981 **Proceedings of the 13th conference on Winter simulation - Volume 1**

Publisher: IEEE Press

Full text available: pdf(691.26 KB)   Additional Information: full citation, abstract, references, index terms

The objectives of this paper are to provide an overview of the TSAR/TSARINA simulation models, and to illustrate their use with a simple application. The TSAR/TSARINA simulation models have been developed to provide a method of evaluating how a wide range of airbase improvement options could increase the combat capability of airbases during wartime. Following a description of model highlights, the application of these models is illustrated with some results from a recent analysis.

30 High level microprogramming: languages and compilation: Experience developing microcode using a high level language
R. Preston Gurd
December 1983 **ACM SIGMICRO Newsletter**, Volume 14 Issue 4
Publisher: ACM Press
Full text available: pdf(592.25 KB)   Additional Information: full citation, abstract, references

This paper describes a project in which every line of microcode developed was written in a high level language.

31 Community/content/interface (panel): creative online journalism
Mark Tribe, Armin Medosch, Kathy Rae Huffman, Lev Manovich, Gary Wolf
August 1997 **Proceedings of the 24th annual conference on Computer graphics and interactive techniques**
Publisher: ACM Press/Addison-Wesley Publishing Co.
Full text available: pdf(27.36 KB)   Additional Information: full citation

32 JointViewer ¿ An Interactive System for Exploring Orthopedic Data
G. Elisabeta Marai, Cagatay Demiralp, Stuart Andrews, David H. Laidlaw
October 2004 **Proceedings of the conference on Visualization '04**
Publisher: IEEE Computer Society
Full text available: pdf(116.00 KB)   Additional Information: full citation

33 Interactive Posters: Technology biogarphies: field study techinques for home use product development
Mark Blythe, Andrew Monk, Jisoo Park
April 2002 **CHI '02 extended abstracts on Human factors in computing systems**
Publisher: ACM Press
Full text available: pdf(131.95 KB)   Additional Information: full citation, abstract, references

The technology biography combines and adapts a number of qualitative data collection techniques to focus on past, present and possible future domestic technologies. Processes, concerns and problems of domestic life are identified in order to develop illustrative product suggestions to inspire or provoke designers.

Keywords: enjoyability, field study, methods, usability

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